

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

I HEREBY DECLARE THAT:

My residence, mailing address, and citizenship are stated next to my name in PART A hereof.

I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHOD AND SYSTEM FOR WATER QUALITY TRADING**

the specification of which:

- ☐ is attached hereto.
- ☒ was filed on November 13, 2003, as Application Serial No. 10/714,590 and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim priority benefits under 35 USC §119(a)-(d) or (f), §172, or §365(a)-(b) of any foreign or international application(s) for patent or inventor's certificate listed in PART B hereof and have also identified in PART B hereof any such foreign or international application having a filing date before that of the application of which priority is claimed.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I understand that the execution of this document does not in itself establish an attorney-client relationship between the undersigned and Perkins Coie, LLP, or any of its attorneys.

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART A: INVENTOR INFORMATION AND SIGNATURE**

Full name of FIRST inventor: Avinash S. Patwardhan

Citizenship: United States

Mailing Address: 3737 Old Lighthouse Circle  
Wellington, Florida 33414

Residence (if different): \_\_\_\_\_

Inventor's Signature: Avinash S. Patwardhan

Date: 12/8/03

Full name of SECOND inventor: Aditya Tyagi

Citizenship: India

Mailing Address: 5035 Cleves Street  
Round Rock, Texas 78681

Residence (if different): \_\_\_\_\_

Inventor's Signature: Aditya Tyagi

Date: 12-15-2003

**INVENTORSHIP DECLARATION BY JOINT INVENTORS****PART B: CLAIM TO PRIORITY OF FOREIGN APPLICATION(S) UNDER 35 U.S.C. § 119(a-d) and (f) § 172, or § 365(a)-(b)**

<b>Country</b>	<b>App. No.</b>	<b>Filing Date</b>	<b>Priority Not Claimed</b>
			<input type="checkbox"/>
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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: AVINASH S. PATWARDHAN ET AL.

APPLICATION No.: 10/714,590

FILED: NOVEMBER 13, 2003

FOR: **METHOD AND SYSTEM FOR WATER QUALITY  
TRADING**

**Power of Attorney by Assignee and Certification**  
**Under 37 C.F.R. § 3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-identified patent application, by virtue of an Assignment filed concurrently herewith, appoint the attorneys and agents listed below to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 C.F.R. § 3.71.

All prior powers of attorney for this application are hereby revoked. The Assignee hereby appoints

STEPHEN E. ARNETT, Registration No. 47,392  
RODGER K. CARREYN, Registration No. 50,774  
CARLOS CANDELORO, Registration No. 52,691  
MAY Y. CHAN, Registration No. 51,053  
BRIAN R. COLEMAN, Registration No. 39,145  
CHRISTOPHER DALEY-WATSON, Registration No. 34,807  
PETER J. DEHLINGER, Registration No. 28,006  
DAVID BOGART DORT, Registration No. 50,213  
DAVID T. DUTCHER, Registration No. 51,638  
LEEANN GORTHEY, Registration No. 37,337  
JOSEPH HAMILTON, Registration No. 51,770  
PAUL L. HICKMAN, Registration No. 28,516  
EDWARD S. HOTCHKISS, Registration No. 33,904  
STEVEN KELLEY, Registration No. 43,449  
JONATHAN P. KUDLA, Registration No. 47,724  
STEVEN D. LAWRENZ, Registration No. 37,376

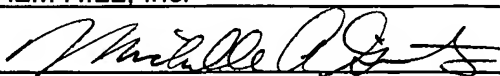
JACQUELINE F. MAHONEY, Registration No. 48,390  
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CHUN M. NG, Registration No. 36,878  
KENNETH H. OHRINER, Registration No. 31,646  
PAUL T. PARKER, Registration No. 38,264  
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GLENN E. VON TERSCH, Registration No. 41,364  
JOHN M. WECHKIN, Registration No. 42,216  
JAMES A.D. WHITE, Registration No. 43,985  
MICHAEL J. WISE, Registration No. 34,047  
ROBERT G. WOOLSTON, Registration No. 37,263  
JAMES J. ZHU, Registration No. 52,396  
all affiliated with Perkins Coie LLP.

Direct all telephone calls to Maurice J. Pirio at (206) 359-8548. Address all correspondence to:

Customer No. 25096  
Perkins Coie LLP  
P.O. Box 1247  
Seattle, Washington 98111-1247  
(206) 359-8000

In accordance with 37 C.F.R. § 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the Assignment noted above.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC § 1001 and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

ASSIGNEE: CH2M HILL, Inc.  
Signature:   
Typed Name: Michelle Girts  
Title: Vice President, Director, Intellectual Property  
Date: 12-8-03  
Address: 9191 South Jamaica Street, Englewood, CO 80112

## ASSIGNMENT

THIS ASSIGNMENT is by Avinash S. Patwardhan and Aditya Tyagi (the "Assignors"), residing at 3737 Old Lighthouse Circle, Wellington, Florida 33414, and 5035 Cleves Street, Round Rock, Texas 78681, respectively. We Assignors have invented one or more certain inventions (the "Invention(s)") described in a United States Patent Application entitled METHOD AND SYSTEM FOR WATER QUALITY TRADING (the "Application") and filed on November 13, 2003, as Application No. 10/714,590.

CH2M HILL, Inc., a corporation of the State of Florida having a place of business at 9191 South Jamaica Street, Englewood, Colorado 80112 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

DEC 22 2003

Date: 12/8/03

Avinash S. Patwardhan  
Avinash S. Patwardhan

STATE OF Florida

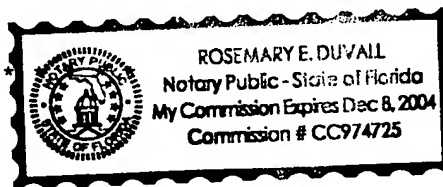
COUNTY OF Palm Beach

On December 8, 2003 before me, Avinash S. Patwardhan, personally appeared Avinash S. Patwardhan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Rosemary E. Duvall  
Signature



Date: 12/15/2003

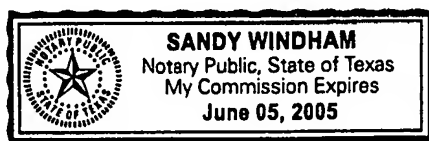
Aditya Tyagi  
Aditya Tyagi

STATE OF TEXAS

COUNTY OF Travis

On December 15, 2003 before me, Aditya Tyagi,  
personally appeared Aditya Tyagi, personally known to me (or proved to me on the basis of  
satisfactory evidence) to be the person whose name is subscribed to the within instrument and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that  
by his/her signature on the instrument the person, or the entity upon behalf of which the  
person acted, executed the instrument.

(Seal)



WITNESS my hand and official seal.

Sandy Windham  
Signature

\* \* \* \* \*